

CATALYST FOR LOW-MOLECULARLY POLYMERIZING OLEFIN AND METHOD FOR LOWLY POLYMERIZING OLEFIN

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Abstract of JP9087318

PROBLEM TO BE SOLVED: To obtain a catalyst system which has good handleability and is industrially useful in low-molecularly polymerizing an olefin, in particular, in efficiently producing 1-hexene, a useful comonomer for LLDPE, from ethylene.

SOLUTION: The catalyst comprises a chromium compound, an alkylmetal compound, and a silicon compound containing a pyrrole ring and represented by the formula R_3SiZ (wherein R's each is a 1-20C alkyl or aryl; Z is a nitrogenous heterocycle having a pyrrole ring unit; and Si has been bonded to the nitrogen atom in the heterocycle).

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